

## **EDGING MACHINE AUTOMATIC BEVELING**

**MANUFACTURER: NATIONAL OPTRONICS INC.**

**Manufacturer Model# HORIZON II**

**Manufacturer's PHONE: (434) 295-9126 FAX: (434) 295-7799**

**Manufacturer's Website: [<http://www.nationaloptronics.com>](http://www.nationaloptronics.com)**

**AAC 'Y' ITEM NSN 6540-00-116-5780**

**USAMMA POC: Customer Relationship Management 301-619-1288/4301 - DSN 343-1288/4301**

**UNIT PRICE: \$10,400.00**

**System Description:** This is an edging machine that cuts all shapes, sizes and powers of CR-39, Polycarbonate and Hi-Index lenses without changing cutters. The carbide blades cut instead of grind, so there is no rounding of the bevel. The standard cycle time is less than one minute, with a 20 second finish-only cycle for touch-up. Even the largest Poly lenses can be edged in a single cycle with a slower flow control cycle. The plastic debris is removed by a vacuum system, eliminating the need for coolants. As factory equipped, the edger will cut bevel and rimless interchangeably. Optional cutters expand edge peripheries to a dozen finishes, including Grooving, Faceting, Shelving and Roll & Bevel. Fully integrated circuitry eliminates microswitch adjustment, ensuring high reliability. The two fully-adjustable bevel guide systems are standard: A Teflon Guide Wheel which tracks the actual front curve of the lens or a Cam Tracking System which duplicates nominal base curves. Both systems provide for fully variable front-to-back placement on all periphery finishes. Each system features a cycle-pause feature which allows the operator to easily make bevel placement adjustment mid-cycle. The DC, brushless motor is ultra quiet and more durable than conventional router motors.



**EDGING MACHINE OPHTHALMIC LENS AUTOMATIC BEVELING  
PART # HORIZON II  
NSN 6540001165780**

# EDGING MACHINE AUTOMATIC BEVELING

## PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Item Dimensions	Height (Inches)	12
	Width (Inches)	30
	Length (Inches)	24
	Cube (Cubic Feet)	5
	Weight	112 lbs
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		35 to 110 °F
Operating Temp		45 to 110 °F
Storage Humidity		5 to 95% Non-condensing
Operating Humidity		5 to 95% Non-condensing
Amps		13
Watts		1725
Power Requirements	115 VAC, 60 Hz	
Notes	Air Pressure: 80 psi, min	

**EDGING MACHINE AUTOMATIC BEVELING  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN National Optronics Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6540001165780		Edging Machine Automatic Beveling	HORIZON II		1	EA	\$10,400.00	\$10,400.00	N/A
		Accessory Kit	90490		1	KT	Incl w/NSN 5780	Incl w/NSN 5780	N/A
		Vacuum Bag	90145		1	EA	Incl w/NSN 5780	Incl w/NSN 5780	N/A
		Vacuum System	87120		1	EA	Incl w/NSN 5780	Incl w/NSN 5780	N/A
6540015056496		Cutters, Disposable	93153		1	EA	Incl w/NSN 5780	Incl w/NSN 5780	N/A
7610015437003		Operation/Maintenance Manual	87275		2	EA	Incl w/NSN 5780	Incl w/NSN 5780	N/A